

Table 1

Root Number	Root (Complex Number)	Angle of the Root Point (degrees)
1	$0.93247229 + 0.361241665i$	21.176
2	$0.739008918 + 0.673695642i$	42.352
3	$0.445738357 + 0.89516329i$	63.528
4	$0.092268362 + 0.995734176i$	84.704
5	$-0.273662986 + 0.961825644i$	105.88
6	$-0.602634632 + 0.798017229i$	127.056
7	$-0.850217133 + 0.526432167i$	148.232
8	$-0.982973098 + 0.183749523i$	169.408
9	$-0.9829731 - 0.183749511i$	190.584
10	$-0.850217139 - 0.526432156i$	211.76
11	$-0.602634642 - 0.798017222i$	232.936
12	$-0.273662998 - 0.96182564i$	254.112
13	$0.09226835 - 0.995734177i$	275.288
14	$0.445738346 - 0.895163295i$	296.464
15	$0.73900891 - 0.673695651i$	317.64
16	$0.932472225 - 0.361241676i$	338.816
17	1	360

Table 2

A Matrix			E Matrix		
0.0143	0.0004	0.0679	0.001655	-0.00167	0.004647
0.0435	0.0012	0.2074	0.004996	-0.00507	0.014204
0.1344	0.004	0.6456	0.015119	-0.01545	0.044273
0.2839	0.0116	1.3856	0.030021	-0.03102	0.095332
0.3483	0.023	1.7471	0.032185	-0.03395	0.120925
0.3362	0.038	1.7721	0.022662	-0.02535	0.129927
0.2908	0.060	1.6692	0.005709	-0.00948	0.118711
0.1954	0.091	1.2876	-0.01766	0.014366	0.094284
0.0956	0.139	0.813	-0.04236	0.042129	0.063222
0.0320	0.208	0.4652	-0.0658	0.070719	0.040933
0.0049	0.323	0.272	-0.09575	0.108765	0.030298
0.0093	0.503	0.1582	-0.13519	0.16147	0.026173
0.0633	0.71	0.0782	-0.16541	0.210806	0.022983
0.1655	0.862	0.0422	-0.16614	0.231433	0.019294
0.2904	0.954	0.0203	-0.14379	0.227545	0.013888
0.4334	0.995	0.0087	-0.10218	0.203082	0.006949
0.5945	0.995	0.0039	-0.04372	0.161116	-0.00152
0.7621	0.952	0.0021	0.028101	0.103917	-0.01128
0.9163	0.87	0.0017	0.105137	0.037876	-0.02137
1.0263	0.757	0.0011	0.17426	-0.02652	-0.03012
1.0622	0.631	0.0008	0.219965	-0.07579	-0.03549
1.0026	0.503	0.0003	0.231689	-0.1009	-0.03614
0.8544	0.381	0.0002	0.209817	-0.10109	-0.03215
0.6424	0.265	0	0.163336	-0.08281	-0.02479
0.4479	0.175	0	0.116419	-0.06083	-0.01756
0.2835	0.107	0	0.074666	-0.0397	-0.01122
0.1649	0.061	0	0.04751	-0.02348	-0.00656
0.0874	0.032	0	0.023275	-0.01255	-0.00349
0.0468	0.017	0	0.012498	-0.00676	-0.00187
0.0227	0.0082	0	0.006074	-0.0033	-0.00091
0.0114	0.0041	0	0.003055	-0.00166	-0.00046

Table 3

Wavelength (nanometers)	Fundamental Metamer	Radiometric Function	Black Metamer
400	0.00500267	0.05127651	0.05077624
410	0.00152993	0.04801286	0.04648292
420	0.00479701	0.03440732	0.02961031
430	0.01056479	0.01135555	0.00079076
440	0.01401556	0	-0.01492489
450	0.01543566	0	-0.01801513
460	0.01650982	0	-0.01656527
470	0.01603556	0.01489279	-0.00114277
480	0.01569349	0.03563982	0.01994633
490	0.01737361	0.05361757	0.03624962
500	0.02292452	0.06344166	0.04051714
510	0.03280562	0.07155957	0.03875395
520	0.04383695	0.08080834	0.03697139
530	0.05105680	0.07674855	0.02569175
540	0.05429072	0.05796799	0.00367727
550	0.05413990	0.03629901	-0.01784089
560	0.05118817	0.01484953	-0.03633865
570	0.04547901	0.00469311	-0.04078590
580	0.03760199	0.00413583	-0.03346616
590	0.02859154	0.00952038	-0.01907115
600	0.02011012	0.01472068	-0.00538944
610	0.01322130	0.02258646	0.00936515
620	0.00830462	0.03363737	0.02533275
630	0.00490826	0.04486850	0.03996024
640	0.00281516	0.05184118	0.04902602
650	0.00154772	0.05553693	0.05398921
660	0.000882333	0.05849495	0.05767162
670	0.00041580	0.06196940	0.06155360
680	0.000214255	0.06616302	0.06594877
690	0.00010108	0.07132120	0.07122012
700	0.00000496	0.07693943	0.07688979